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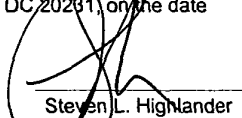
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Washington, DC 20231

RE: SN 09/872,852 "HUMAN BETA-DEFENSIN-3 (HBD-3), A HIGHLY CATIONIC BETA-DEFENSIN ANTIMICROBIAL PEPTIDE" – Paul B. McCray, Jr., et al. (Client Reference: URIF:MO-49)

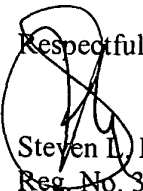
Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references (C1-C14).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10104720/SLH.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,


Steven L. Highlander
Reg. No. 37,642

SLH/cmb

Encl: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor:
Paul B. McCray, Jr., *et al.*

Serial No.: 09/872,852

Filed: June 1, 2001

For: HUMAN BETA-DEFENSIN-3 (HBD-3), A
HIGHLY CATIONIC BETA-DEFENSIN
ANTIMICROBIAL PEPTIDE

Group Art Unit: 1646

Examiner: Unknown

Atty. Dkt. No.: IOWA:031US/SLH

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

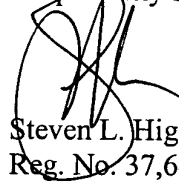
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10104720/SLH.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Steven L. Highlander
Reg. No. 37,642
Attorney for Applicants

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Date: October 29, 2001

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

IOWA:031US/SLH

09/872,852

List of Patents and Publications for Applicant's

Applicant

Paul B. McCray, Jr., *et al.*

INFORMATION DISCLOSURE STATEMENT

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June 1, 2001

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(Use several sheets if necessary)

U.S. Patent Documents

Foreign Patent Documents

Other Art

See Page 1

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Gallo, <i>et al.</i> , "Antimicrobial peptides: an emerging concept in cutaneous biology," <i>J. Invest Dermatol</i> , 111(5):739-743, 1998.
	C2	Ganz and Lehrer, "Antimicrobial peptides of vertebrates," <i>Current Opinions Immun</i> , 10:41-44, 1998.
	C3	Hamil <i>et al.</i> , "HE2 β and HE2 γ , new members of an epididymis-specific family of androgen-regulated proteins in the human," <i>Endocrinology</i> , 141(3): 1245-1253, 2000.
	C4	Harder <i>et al.</i> , "Short communication—Mapping of the gene encoding human β -Defensin-2 (DEFB2) to chromosome region 8p22-p23.1," <i>Genomics</i> , 46:472-475, 1997.
	C5	Jia <i>et al.</i> , "Discovery of new human β -defensins using a genomics-based approach," <i>Gene</i> , 263:211-218, 2001.
	C6	Kirchhoff <i>et al.</i> , "CD52 mRNA is modulated by androgens and temperature in epididymal cell cultures," <i>Mol. Reprod. Dev.</i> , 56:26-33, 2000.
	C7	Krull <i>et al.</i> , "Region-specific variation of gene expression in the human epididymis as revealed by in situ hybridization with tissue-specific cDNAs," <i>Mol. Reprod. Dev.</i> , 34:16-24, 1993.
	C8	Liu <i>et al.</i> , "Induction of apoptosis by thiuramdisulfides, the reactive metabolites of dithiocarbamates, through coordinative modulation of NF κ B, c-fos/c-jun, and p53 proteins," <i>Mol. Carcinog.</i> , 22:235-246, 1998.

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List of Patents and Publications for Applicant's

Applicant

Paul B. McCray, Jr., *et al.*

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U.S. Patent Documents

Foreign Patent Documents

Other Art

See Page 1

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C9	Mathews <i>et al.</i> , "Production of β -defensin antimicrobial peptides by the oral mucosa and salivary glands," <i>Infect Immun.</i> , 67(6):2740-2745, 1999.
	C10	Nilsson <i>et al.</i> , "Patient education for adults with chronic eczema," <i>Dermatol Nurs</i> , 11(2):117-122, 1999.
	C11	Oren and Shai, "Mode of action of linear amphipathic α -helical antimicrobial peptides," <i>Biopolymers</i> , 47:451-463, 1998.
	C12	Osterhoff <i>et al.</i> , "Molecular cloning and characterization of a novel human sperm antigen (HE2) specifically expressed in the proximal epididymis," <i>Biol Reprod</i> , 50:516-525, 1994.
	C13	Russell <i>et al.</i> , "Coordinate induction of two antibiotic genes in tracheal epithelial cells exposed to the inflammatory mediators lipopolysaccharide and tumor necrosis factor alpha," <i>Infect Immun.</i> , 64(5):1565-1568, 1996.
	C14	Singh <i>et al.</i> , "Production of β -defensins by human airway epithelia," <i>Proc. Natl. Acad. Sci USA.</i> , 95:14961-14966, 1998.

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